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4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST REPORT OF AGGEGRATE IMPACT VALUE
IS: 2386 Part IV

Lab ID	:	**CP-RW-2019-03-29-110** **Date: 23-03-19**
Customer	:	Assistant Executive Engineer, T- Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T- Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Drain and Concrete Works at Karekallu and Bagalagunte Old Village Surrounding in Ward No.14 Bagalagunte
Agency	:	Technical Manager(West) KRIDL, No.280,59th Cross 17th C Main Road 3rd Y Block, Rajajinagara, Bangaluru-560010
Customer Reference	:	EE/DD/WO/365/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	21-03-19
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of test	:	21-03-19

Sl.No	Particulars of observations	Index	TEST 1	TEST 2
1	Total weight of the surface dry sample sample (passing 12.5 mm and retained on 10mm sieve)	A	300.2	300.2
2	Weight of fraction passing 2.36mm sieve After giving 15 blows	B	73.9	74.0
3	weight of fraction retained 2.36mm sieve After giving 15 blows	C	225.9	225.8
4	Total weight of (B+C) is less than the initial weight (Weight A) by more than one gram the result shall be discarded and a fresh test made.	A-(B+C)	0.4	0.4
5	Aggregate impact value	(B/A)*100	24.6	24.7
6	Aggregate impact value (Mean of two tests)	Pecentage	24.6	

Note:-
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Quality Manager

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DETERMINATION OF FLAKINESS INDEX AND ELONGATION INDEX OF COARSE AGGREGATE(IS 2386 (Part 1) 1963 (RA 2007)

Lab ID	:	**CP-RW-2019-03-29-110** **Date: 23-03-19**
Customer	:	Assistant Executive Engineer, T- Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T- Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Drain and Concrete Works at Karekallu and Bagalagunte Old Village Surrounding in Ward No.14 Bagalagunte
Agency	:	Technical Manager(West) KRIDL, No.280,59th Cross 17th C Main Road 3rd Y Block, Rajajinagara, Bangaluru-560010
Customer Reference	:	EE/DD/WO/365/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	21-03-19
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of test	:	21-03-19

Result:

Index	Percentage of Flakiness and Elongation Index	Secified limits as per MORTH specification table 400-12
Flakiness Index	12.8%	Combined Flakiness & Elongation Index for WMM is Maximum 35%
Elongation Index	12.5%	
Combined Flakiness and Elongation Index for WMM	25.3%	

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TEST RESULTS OF STEEL

Lab ID	:	**CP-2019-03-29-110** **Date: 02-03-19**
Customer	:	Assistant Executive Engineer, T- Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T- Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Drain and Concrete Works at Karekallu and Bagalagunte Old Village Surrounding in Ward No.14 Bagalagunte
Agency	:	Technical Manager(West) KRIDL, No.280,59th Cross 17th C Main Road 3rd Y Block, Rajajinagara, Bangaluru-560010
Customer's Reference	:	EE/DD/WO/365/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	01-03-19
Sample Type	:	Sunvik
Reference to BIS codes	:	IS 1786-2008, IS:1608-2005(RA 2011), IS 1599-2012.
Date of test:	:	01-03-19

Sl.No	Identification of sample	Grade of the sample	Diameter of the steel bar	Weight of the sample	Yield stress	Tensile strength	Elongation	Bend test	Rebend test
			(mm)	(kg/m)	(N/mm2)	(N/mm2)	(%)		
1	Sunvik	Fe500	8	0.391	512	652	20.0%	Satisfactory	Satisfactory
2	Sunvik	Fe500	10	0.616	528	672	20.0%	Satisfactory	Satisfactory
3	Sunvik	Fe500	12	0.888	544	668	20.0%	Satisfactory	Satisfactory

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Format No: CP/TF/01

TEST REPORT OF PRECAST COVER SLAB

Lab ID : **CP-2019-03-29-110** **Date: 20-03-19**

Customer : Assistant Executive Engineer, T- Dasarahalli Sub Division, BBMP, Bangalore.

Address : T- Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Drain and Concrete Works at Karekallu and Bagalagunte Old Village Surrounding in Ward No.14 Bagalagunte

Agency : Technical Manager(West) KRIDL, No.280,59th Cross 17th C Main Road 3rd Y Block, Rajajinagara, Bangaluru-560010

Customer's Reference : EE/DD/WO/365/18-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 15-03-19

Sample Type /Size : Precast Cover Slab

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete

Date of test : 15/03/2019

Sl. No.	Identification Mark	Diameter of the core	Height of the core	Weight of the core	Area	Failure Load	Core Compressive strength	Corrected Cylinder Compressive strength	Equivalent Cube Compressive strength
		(mm)	(mm)	(kg)	(Sq.mm)	(KN)	(N/mm^2)	(N/mm^2)	(N/mm^2)
1	Cover Slab-1	75.51	100.48	1.116	4477	80.9	18.1	16.8	21.0
2	Cover Slab-2	75.49	100.52	1.122	4475	82.3	18.4	17.1	21.4
3	Cover Slab-3	75.50	100.51	1.118	4476	81.5	18.2	16.9	21.2

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2019-03-29-110** **Date: 13/03/2019**

Customer : Assistant Executive Engineer, T- Dasarahalli Sub Division, BBMP, Bangalore.

Address : T- Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Construction of Drain and Concrete Works at Karekallu and Bagalagunte Old Village Surrounding in Ward No.14 Bagalagunte

Agency : Technical Manager(West) KRIDL, No.280,59th Cross 17th C Main Road 3rd Y Block, Rajajinagara, Bangaluru-560010

Customer's Reference : EE/DD/WO/365/18-19

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 08-03-19

Customer ID : Drain Bottom Slab Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 13/03/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	06/03/2019	13/03/2019	151.35 X 149.31 X 149.87	22599	**8.842**	411.6	18.2	18.3
2	Drain Bottom Slab Concrete	M20	06/03/2019	13/03/2019	151.06 X 151.84 X 150.05	22938	**8.130**	419.8	18.3	
3	Drain Bottom Slab Concrete	M20	06/03/2019	13/03/2019	151.38 X 149.25 X 150.33	22593	**8.154**	414.4	18.3	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-03-29-110** **Date: 13/03/2019**
Customer	:	Assistant Executive Engineer, T- Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T- Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Drain and Concrete Works at Karekallu and Bagalagunte Old Village Surrounding in Ward No.14 Bagalagunte
Agency	:	Technical Manager(West) KRIDL, No.280,59th Cross 17th C Main Road 3rd Y Block, Rajajinagara, Bangaluru-560010
Customer's Reference	:	EE/DD/WO/365/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	08-03-19
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 13/03/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	06/03/2019	13/03/2019	149.50 X 150.31 X 151.95	22472	8.842	412.6	18.4	18.6
2	Drain Bottom Slab Concrete	M20	06/03/2019	13/03/2019	150.60 X 151.40 X 150.07	22800	8.130	423.3	18.6	
3	Drain Bottom Slab Concrete	M20	06/03/2019	13/03/2019	150.78 X 151.04 X 149.29	22774	8.154	428.0	18.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 13/03/2019

Lab ID	:	CP-2019-03-29-110
Customer	:	Assistant Executive Engineer, T- Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T- Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Drain and Concrete Works at Karekallu and Bagalagunte Old Village Surrounding in Ward No.14 Bagalagunte
Agency	:	Technical Manager(West) KRIDL, No.280,59th Cross 17th C Main Road 3rd Y Block, Rajajinagara, Bangaluru-560010
Customer's Reference	:	EE/DD/WO/365/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	08-03-19
Customer ID	:	Drain Bottom Slab Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	13/03/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	06/03/2019	13/03/2019	150.47 X 150.07 X 150.17	22581	8.842	421.4	18.7	18.7
2	Drain Bottom Slab Concrete	M20	06/03/2019	13/03/2019	149.10 X 149.48 X 149.07	22288	8.130	413.4	18.5	
3	Drain Bottom Slab Concrete	M20	06/03/2019	13/03/2019	150.06 X 150.07 X 151.63	22520	8.154	423.0	18.8	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID	:	**CP-2019-03-29-110** **Date: 18/03/2019**
Customer	:	Assistant Executive Engineer, T- Dasarahalli Sub Division, BBMP, Bangalore.
Address	:	T- Dasarahalli Sub Division, BBMP, Bangalore.
Project Name	:	Construction of Drain and Concrete Works at Karekallu and Bagalagunte Old Village Surrounding in Ward No.14 Bagalagunte
Agency	:	Technical Manager(West) KRIDL, No.280,59th Cross 17th C Main Road 3rd Y Block, Rajajinagara, Bangaluru-560010
Customer's Reference	:	EE/DD/WO/365/18-19
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	13-03-19
Customer ID	:	Drain Side Wall Concrete
Sample Type /Size	:	150X150X150 mm
Sample grade/Age	:	M20 / 7 Days Compressive Strength
Reference to BIS codes	:	IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5
Date of test	:	18/03/2019

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	11/03/2019	18/03/2019	149.07 X 149.01 X 151.05	22213	8.522	411.1	18.5	18.6
2	Drain Side Wall Concrete	M20	11/03/2019	18/03/2019	151.73 X 151.50 X 149.55	22988	8.472	429.3	18.7	
3	Drain Side Wall Concrete	M20	11/03/2019	18/03/2019	149.89 X 149.15 X 150.90	22355	8.800	415.2	18.6	

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